

L1 ANSWER 3 OF 5 WPIX (C) 2003 THOMSON DERWENT  
 AN 2002-431471 [46] WPIX  
 DNN N2002-339246  
 TI Magnetic resonance imaging device for medical application, has scanner with position shifter moving position of multislice area of examined object within fixed limit of image pick-up range based on movement of object.  
 DC P31 S01 S03 S05  
 IN MACHIDA, Y  
 PA (TOKE) TOSHIBA KK; (MACH-I) MACHIDA Y  
 CYC 2  
 PI JP 2002095646 A 20020402 (200246)\* 12p A61B005-055  
 US 2002115929 A1 20020822 (200258) A61B005-05  
 ADT JP 2002095646 A JP 2000-291115 20000925; US 2002115929 A1 US 2001-957461 20010921  
 PRAI JP 2000-291115 20000925  
 IC ICM A61B005-05; A61B005-055  
 ICS G01R033-48; G01R033-54  
 AB JP2002095646 A UPAB: 20020722  
 NOVELTY - A scanner selectively excites the multislice areas of the examined object and collects echo while moving the examined object. The scanner has a position shifter to move the position of multislice area within a fixed limit of image pick-up range depending on movement of examined object.  
 USE - Magnetic resonance imaging (MRI) device used in medical application.  
 ADVANTAGE - High efficient imaging is enabled at high speeds, even if the imaged area is narrow.  
 DESCRIPTION OF DRAWING(S) - The figure shows the relationship between excitation position of examined object and multislice area. (Drawing includes non-English language text).  
 Dwg.2/7  
 FS EPI GMPI  
 FA AB; GI

L1 ANSWER 4 OF 5 JAPIO COPYRIGHT 2003 JPO  
AN 2002-095646 JAPIO  
TI MAGNETIC RESONANCE IMAGING DEVICE  
IN MACHIDA YOSHIO  
PA TOSHIBA CORP  
PI JP 2002095646 A 20020402 Heisei  
AI JP 2000-291115 (JP2000291115 Heisei) 20000925  
PRAI JP 2000-29111520000925  
SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 2002  
IC ICM A61B005-055  
ICS G01R033-54; G01R033-48  
AB PROBLEM TO BE SOLVED: To use imaging methods with very beneficial functions in real clinical such as a multislice imaging or an oblique imaging in an imaging with continuous movements of a subject, and to make the imaging method with movements highly functional.  
SOLUTION: A scanning means which collects echo data by inducing to select a region for multislices  $n_e$  ( $n_e=1, 2, 3...$ ) on a subject while moving the subject is equipped. The scanning means has a means to moving a position which moves a position of multislice  $n_e$  within an image region D set by a device in a fixed manner according to the movements of the subject. As a result, a position for multislice is changed depending on the movements of the subject, and the position for multislice follows the subject automatically. A multislice imaging which can be done while moving the subject is provided.  
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PATENT FAMILY INFORMATION  
AN 182406983 INPADOC

+-----PRAI-----+		+-----AI-----+	
JP 2000-291115	A 20000925	JP 2000-291115	A 20000925
		US 2001-957461	A 20010921
+-----AI-----+		+-----PI-----+	
JP 2000-291115	A 20000925	JP 2002095646	A2 20020402
US 2001-957461	A 20010921	US 2002115929	AA 20020822

1 priority, 2 applications, 2 publications

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